

## AUTHOR INDEX

Aubery, M. 97

Baksi, K. 301

Banerjee, D.K. 301

Basu, S. 227

Bauvy, C. 97

Berger, E.G. 335

Bernard, M. 259

Brockhausen, I. 39, 281

Brossmer, R. 89

Bruneteau, M. 345

Campos, T.M. 301

Carnoy, C. 9

Choay, J. 107

Coddeville, B. 145

Codogno, P. 97

Coudert, C. 107

Das, K.K. 227

Debray, H. 135

Defaye, J. 195

Derappe, C. 181

Diaz, A.M. 301

Dosbaa, I. 259

Duk, M. 245

Egge, H. 145, 321

Emiliani, C. 259

Endo, T. 349

Ernst, B. 335

Faille, C. 17

Foglietti, M.-J. 259

Fournet, B. 339

Fournier, J.-P. 107

Franz, H. 135

Fuchs, A.G. 97

Gamian, A. 195

Giner, M. 181

Glick, M.C. 209

Goussault, Y. 181

Grande, C. 301

Grey, A.A. 281

Hagedorn, H.-W. 89

Hanisch, F.-G. 321

Hård, K. 315

Hatano, A. 165

Kabat, E.A. 245

Kamerling, J.P. 315

Khan, S.H. 281

Kitajima, T. 349

K. Jain, R. 327

Klein, A. 9

Kobata, A. 349

Kol, O. 339

Kozek, W.J. 301

Lamblin, G. 9

Le Dizet, P. 267

Level, M. 107

Li, Z. 227

Lis, H. 245

Lisowska, E. 245

Liu, Z. 121

Lo-Guidice, J.-M. 9

Locke, R.D. 327

Lormeau, J.-C. 107

Louisot, P. 29

Mallet, J.-M. 73

Martin, A. 29

Matta, K.L. 281, 327

Merten, H. 89

Michalski, J.-C. 17

Michel, G. 345

Mitra, D. 245

Möller, G. 281

Muralikrishna, G. 321

Nagasawa, K. 165

Negishi, M. 209

Normand, S. 29

Ogier-Denis, E. 97  
Ohbayashi, H. 349  
Öhrlein, R. 335

Pachiaudi, C. 29  
Paulsen, H. 39, 281  
Percheron, F. 259  
Perlin, A.S. 121  
Perret, J. 345  
Petek, F. 267  
Peter-Katalinić, J. 145, 321  
Petitou, M. 107  
Piskorz, C.F. 327  
Platzer, N. 181  
Poretz, R.D. 1  
Poulain, D. 17

Rago, R.P. 1  
Rambal, C. 29  
Ramirez-Soto, D. 1  
Reck, F. 39  
Reuter, G. 321  
Riou, J.-P. 29  
Romanowska, E. 195  
Rouhier, P. 345  
Roussel, P. 9

Sato, N. 165  
Schachter, H. 281  
Schaeper, R.J. 227

Schauer, R. 321  
Shah, R.N. 281  
Sharon, N. 245  
Shiraishi, M. 349  
Siebert, H.-C. 321  
Simenel, C. 107  
Sinaÿ, P. 73  
Smets, P. 339  
Spik, G. 145  
Strecker, G. 17, 135, 145, 339

Takenaga, M. 349  
Takenaga, S. 349

Uchiyama, H. 165  
Ulrich, J. 195

Van Halbeek, H. 145  
Van Kuik, J.A. 209  
Vliegenthart, J.F.G. 145, 209, 315  
Vodjdani, G. 267

Wantyghem, J. 181  
Wieruszeski, J.-M. 17, 135, 145, 339

Yang, J.-M. 281

Zalish, R. 339  
Zhang, Y.-M. 73  
Zuber, M. 107

## SUBJECT INDEX

- N*-Acetyl- $\beta$ -D-galactosaminyltransferases from embryonic chicken brain, biosynthesis in vitro of GbOse4Cer and GM2 gangliosides by, 227
- N*-Acetylglucosaminyltransferase-I, synthesis of oligosaccharides as substrate of, 39
- (1  $\rightarrow$  4)-*N*-Acetyl- $\beta$ -D-glucosaminyltransferases, characterization of, 281
- N*-Acetylneuraminic acid, synthesis of deculopyranosonic acid analog, and its 5- and 6-epimers of, 89
- O*-Acylated derivatives of glycosaminoglycans, synthesis of, 107
- Albumin glycans, resolution by poly(acrylamide) electrophoresis and characterization of, 1
- Alkylamine-bonded silica, separation of mucin oligosaccharide-alditols by HPLC on, 9
- Antibodies, monoclonal, against oligosaccharides coupled to protein, production of, 349
- Aspergillus roseus*, purification and properties of  $\beta$ -D-glucosidases from, 267
- Asteria rubens*, starfish, identification of new ganglioside from, 321
- Blood group-type-specific lectin from *Moluccella laevis*, combining site of, A + N, 245
- Bovine lactotransferrin glycans, heterogeneity of, 145
- Candida albicans* VW.32 (serotype A) phosphopeptidomannan, NMR assignments for the D-mannooligosaccharides, 17
- Cation-binding characteristics of chemically-modified heparins, 121
- Cellulose,  $\beta$ -D-glucosidases from *Aspergillus roseus* acting on, 267
- Cell wall from *Fusarium oxysporum*, structure of  $\beta$ -D-glucans from, 345
- Deculopyranosonic acid analog of *N*-acetylneuraminic acid, and its 5- and 6-epimer, synthesis of, 89
- Depolymerization, oxidative-reductive, of heparin, 165
- Dolichol monophosphate in the membrane, monoclonal antibody to amphomycin: A tool to study the topography of, 301
- Escherichia coli* O104 O-specific polysaccharide, sialic acid containing, structure of, 195
- Fluoresceinated glycopeptides, two-dimensional poly(acrylamide) electrophoresis of, 1
- $\alpha$ -L-Fucosidase, patterns in acute myeloid leukemia cells of, 259
- (1  $\rightarrow$  3)- $\alpha$ -L-Fucosyltransferase, synthesis of di- and tri-saccharides as specific acceptors for, 327
- Fusarium oxysporum*, structure of  $\beta$ -D-glucans from, 345
- $\beta$ -D-Galactopyranosyl-(1  $\rightarrow$  4)-linked, 2-*O*-substituted di- and tri-saccharides, synthesis of, 327
- $\beta$ -D-Galactosyltransferase, human, galactosylation of non-natural glycosides on a preparative scale with, 335
- Ganglioside from the starfish *Asteria rubens*, identification of a new, 321
- Gas-liquid chromatography—*isotope-ratio mass spectrometry*, determination of compounds naturally labeled with stable isotopes by, 29
- GbOse4Cer glycolipid, synthesis by *N*-acetylgalactosaminyltransferase of, 227
- $\beta$ -D-Glucans from *Fusarium oxysporum*, structure of, 345
- D-Glucose and *N*-glycans metabolism in HT-29 cells, 97
- $\beta$ -D-Glucosidases from *Aspergillus roseus*, isolation, purification, and properties of, 267
- N*-Glycans and glucose metabolism in HT-29 cells, 97
- Glycopeptides of albumin, fluoresceinated, resolution by poly(acrylamide) electrophoresis of, 1
- Glycoprotein neutral sugars, use of compounds naturally labeled with stable isotopes for the study of the metabolism of, 29

- Glycoprotein synthesis, control of, 281
- N*-Glycoproteins, synthesis of modified oligosaccharides of, 39
- Glycosaminoglycans, synthesis of *O*-acylated derivatives of, 107
- N*-Glycosylproteins, synthesis of trimannosyl core of, 73
- GM2 ganglioside, synthesis by *N*-acetylgalactosaminyltransferase of, 227
- Heparin, oxidative-reductive depolymerization of, 165
- Heparin, synthesis of *O*-acylated derivatives of, 107
- Heparins, chemically-modified, regioselectivity in the sulfation of, 121
- HPLC of mucin oligosaccharide-alditols on alkylamine-bonded silica, 9
- HT-29 cells, *N*-glycans and glucose metabolism in, 97
- Human  $\beta$ -D-galactosyltransferase, galactosylation of non-natural glycosides on a preparative scale with, 335
- Isotopes, stable, use in the study of the metabolism of glycoprotein neutral sugars of compounds naturally labeled, 29
- Klebsiella pneumoniae* O1K2 lipopolysaccharide, structure of the O-specific chain of, 339
- Lactotransferrin, bovine, heterogeneity of glycans of, 145
- Laser photo-CIDNP for an intact glycoprotein, 315
- Lectin specific for A + N blood group type from *Moluccella laevis*, combining site of, 245
- Lectins from seeds of *Robinia pseudoacacia*, structure of the carbohydrate chain of, 181
- Leukemia cells, myeloid, patterns of  $\alpha$ -L-fucosidase in, 259
- Lipopolysaccharide of *Klebsiella pneumoniae* O1K2, structure of the O-specific polysaccharide chain of, 339
- D-Mannooligosaccharides from the phosphopeptidomannan of *Candida albicans* VW.32 (serotype A), NMR, 17
- Mistletoe (*Viscum album*) lectin I, carbohydrate chains of, 135
- Moluccella laevis* lectin, combining site for A + N blood group type of, 245
- Monoclonal antibodies against oligosaccharides coupled to protein, production of, 349
- Monoclonal antibody to amphomycin: A tool to study the topography of dolichol monophosphate in the membrane, 301
- Myeloid leukemia cells, patterns of  $\alpha$ -L-fucosidase in, 259
- Neurotoxin-responsive sodium channel, oligosaccharide composition of, 209
- D-glycero-D-galacto-Non-2-ulopyranose, 5-acetamido-1,3,5-trideoxy-, synthesis of, 89
- Nuclear polarization, dynamic, laser-photochemically-induced, for a glycoprotein, 315
- Oligomannose-type glycans isolated from mistletoe lectin I, 135
- Oligosaccharide-alditols from mucin, separation by HPLC on alkylamine-bonded silica of, 9
- Oligosaccharides coupled to protein, production of monoclonal antibodies against, 349
- Oxidative-reductive depolymerization of heparin, 165
- Phosphopeptidomannan of *Candida albicans* VW.32 (serotype A), NMR assignments for the D-mannooligosaccharides of, 17
- Polarization, dynamic nuclear, laser-photochemically-induced, for a glycoprotein, 315
- Polysaccharide chain of *Klebsiella pneumoniae* O1K2 lipopolysaccharide, O-specific structure of, 339
- Robinia pseudoacacia* seed lectins, structure of the carbohydrate chain of, 181
- Seed lectins of *Robinia pseudoacacia*, structure of the carbohydrate chain of, 181
- Sialic acid, requirement for biological activity of neurotoxin-responsive sodium channel of, 209
- Sialic acid-containing polysaccharide from *Escherichia coli* O104, structure of, 195
- Sodium channel, neurotoxin-responsive, oligosaccharide composition of, 209
- O-Specific, sialic acid containing polysaccharide from *Escherichia coli* O104, structure of, 195
- Starfish *Asteria rubens*, identification of a new ganglioside from, 321
- Sulfation of chemically-modified heparins, 121
- Transferase, (1  $\rightarrow$  3)- $\alpha$ -L-fucosyl-, synthesis of acceptors for, 327
- Transferase-I, *N*-acetylglucosaminyl-, synthesis of oligosaccharides as substrates of, 39
- Transferases, (1  $\rightarrow$  4)-*N*-acetyl- $\beta$ -D-glucosaminyl-, characterization of, 281

Transferrin, lacto-, heterogeneity of glycans of bovine, 145

Tri(4-bromophenyl)ammoniumyl hexachloroantimonate, use in the synthesis of the trimannosyl core of *N*-glycosylproteins of, 73

Trimannosyl core of *N*-glycosylproteins, synthesis of, 73

*Viscum album* lectin I (mistletoe), carbohydrate chains of, 135

